

In the Claims:

Please cancel claim 17 without prejudice or disclaimer.

Please rewrite claims 2, 5, 6, 8, 9 and 18 as follows:

B1
2. (Amended) The angular velocity measuring apparatus according to claim 1, wherein said vibration element and said semiconductor integrated circuit chip are arranged to be overlapped with each other viewed in a direction in which said rotation axis extends.

B2
5. (Amended) The angular velocity measuring apparatus according to claim 4, wherein said apparatus further comprises a can-package having a can-package base and a lid hermetically secured to the can-package base along a peripheral portion thereof to constitute a space, said vibration element, said supporting member, said circuit board and said semiconductor integrated circuit chip are installed within said space, and said circuit board is connected to conductor pins which extend into said space via through-holes formed in said can-package base.

6. (Amended) The angular velocity measuring apparatus according to claim 4, wherein said circuit board is formed by a ceramic circuit board having a base portion and a side wall portion defining an opening, and said apparatus further comprises a lid hermetically secured to said side wall portion of the ceramic circuit board to close said opening and to constitute a space, and said vibration element, said supporting member and said semiconductor integrated circuit chip are installed within said space.

B3
Cont'd
8. (Amended) An angular velocity measuring apparatus for detecting a rotational angular velocity about a given rotation axis, comprising:
a vibration element;

a vibration element supporting member for supporting said vibration element;
a semiconductor integrated circuit chip for controlling signals for the vibration element;

a ceramic circuit board for supporting said vibration element by means of said supporting member; and

a lid hermetically secured to said ceramic circuit board to constitute a space;

wherein at least said vibration element and said vibration element supporting member are installed within said space.

9. (Amended) The angular velocity measuring apparatus according to claim 8, wherein said vibration element and said semiconductor integrated circuit chip are arranged to be overlapped with each other viewed in a direction in which said rotation axis extends.

18. (Amended) An angular velocity measuring apparatus for detecting a rotational angular velocity about a given rotation axis, comprising:

a vibration element;

a vibration element supporting member for supporting said vibration element;

a circuit board for supporting said vibration element by means of said supporting member;

a semiconductor integrated circuit chip for controlling signals for the vibration element;

a can-package having a can-package base and a can-package lid hermetically welded to the can-package base to constitute a space; and

a plurality of conductor pins extending into said space through said can-package base and electrically connected to said circuit board, wherein

B4
and
said vibration element is mounted on one surface of said circuit board by means of said vibration element supporting member, said semiconductor integrated circuit chip is mounted on the other surface of the circuit board by bare-die-bonding and connected to the circuit board by bonding wires, said circuit board and said conductor pins secured to the can-package base are fixed by a silver paste, and said vibration element and said semiconductor integrated circuit chip are arranged to be overlapped with each other viewed in a direction in which said rotation axis extends.
